

## CLAIMS

1. "HEAT TRANSMITTING FLUID AND ITS RESPECTIVE OBTAINING PROCESS" characterized by the heat transmitting fluid composition, express in percentage (%), in weight, in relation to the product total weight, being done as follows: - Antioxidant, preferentially derived phenyl or equivalent, being added in the fluid between 0,1 and 0,5%, in mass – basic fluid, preferentially C-14-C17 linear paraffin our equivalent, being added in the fluid between 99,5 and 99,9%, in mass.
2. "HEAT TRANSMITTING FLUID AND ITS RESPECTIVE OBTAINING PROCESS" characterized by the procedure for the obtaining of heat transmitting fluid consist of the following phases: weighing of reagents used in the heat transmitting fluid preparation, using a suitable gauged scale; 2) homogenization of linear paraffin with the help of mechanical shakers suitable for low viscosity, preferentially with medium speed and constructively suitable to operate with synthetic hydrocarbon with extreme purity, enough capacity to contain all reagents to be used for the manufacturing of fluid and provided with heating system for work between room temperature and up to 70°C, during the homogenization; 3) addition of antioxidant in the container mentioned in item 2, under continuous shaking; 4) mixture and homogenization after the addition of antioxidant, being the mixing time defined according to the practice, until an homogeneous mixture is obtained, being that after the mixture, the heat transmitting fluid is placed in usual packing, preferentially metal ones.